



STATE OF ALABAMA

DEPARTMENT OF FINANCE
DIVISION OF PURCHASING

INVITATION TO BID

INVITATION TO BID NO: 10-R-2216101

REQ. AGENCY : 004007
DEPT OF CONSERVATION/FISHERIES
AGENCY REQ. NO. : 031069
T-NUMBER :
DATE ISSUED : 01/06/10
VENDOR NO. :
VENDOR PHONE NO. :
SNAP REQ. NO. : 1434862
BUYER NAME : CRIST WATTS

FOR: BACKHOE LOADER

BUYER PHONE NO. : (334) 242-4291-
PURCHASING PHONE NO: (334) 242-7250

BID MUST BE RECEIVED BEFORE:
DATE: 01/27/10 TIME: 5:00 PM

BIDS WILL BE PUBLICLY OPENED:
DATE: 01/28/10 TIME: 2:00 PM

TO BE COMPLETED BY VENDOR

INFORMATION IN THIS SECTION SHOULD BE PROVIDED, AS APPROPRIATE. BID RESPONSE
MUST BE IN INK OR TYPED WITH ORIGINAL SIGNATURE AND NOTARIZATION.

1. DELIVERY: CAN BE MADE _____ DAYS OR _____ WEEKS AFTER RECEIPT OF ORDER
2. TERMS: _____(DISCOUNTS ARE TAKEN WITHOUT REGARD TO DATE OF PAYMENT.)
3. PRICE VALID FOR ACCEPTANCE WITHIN _____ DAYS.
4. VENDOR QUOTATION REFERENCE NUMBER, IF ANY: _____
(THIS NUMBER WILL APPEAR ON THE PURCHASE ORDER.)
5. E-MAIL ADDRESS: _____
INTERNET WEBSITE: _____
6. GENERAL CONTRACTOR'S LICENSE NO: _____
TYPE OF G.C. LICENSE: _____

***** IMPORTANT NOTE: *****

BIDDERS MUST COMPLY WITH ALL "BID RESPONSE INSTRUCTIONS" ON PAGE 2, TO INCLUDE
ITEM 7 - COPY REQUIREMENT.

RETURN INVITATION TO BID:

US MAIL

COURIER

STATE OF ALABAMA
DEPARTMENT OF FINANCE
DIVISION OF PURCHASING
P O BOX 302620
MONTGOMERY, AL 36130-2620

STATE OF ALABAMA
DIVISION OF PURCHASING
RSA UNION BUILDING
100 N. UNION ST., SUITE 192
MONTGOMERY, AL 36104

SIGNATURE AND NOTARIZATION REQUIRED

I HAVE READ THE ENTIRE BID AND AGREE TO FURNISH EACH ITEM OFFERED AT THE PRICE QUOTED.
I HERBY AFFIRM I HAVE NOT BEEN IN ANY AGREEMENT OR COLLUSION AMONG BIDDERS IN
RESTRAINT OF FREEDOM OF COMPETITION BY AGREEMENT TO BID AT A FIXED PRICE OR TO
REFRAIN FROM BIDDING.

SWORN TO AND

FEIN OR SSN

AUTHORIZED SIGNATURE (INK)

SUBSCRIBED BEFORE ME THIS

COMPANY NAME

TYPE/PRINT AUTHORIZED NAME

_____ DAY OF _____

MAIL ADDRESS

TITLE

NOTARY PUBLIC

CITY, STATE, ZIP

TOLL FREE NUMBER

TERM EXP: _____

PHONE INCLUDING AREA CODE

FAX NUMBER

STANDARD TERMS & CONDITIONS

VENDOR NAME :

VENDOR NUMBER: -

ITB NO. : 10-R-2216101

PAGE 2

INVITATION TO BID

OPEN DATE : 01/28/10 TIME: 2:00 PM

RETURN DATE: 01/27/10 TIME: 5:00 PM

AUTHORITY:

THE DEPARTMENT OF FINANCE CODE OF ADMINISTRATIVE PROCEDURE, CHAPTER 355-4-1 EFFECTIVE DECEMBER 20, 2001 IS INCORPORATED BY REFERENCE AND MADE A PART OF THIS DOCUMENT. TO RECEIVE A COPY CALL (334)242-7250, OR OUR WEBSITE WWW.PURCHASING.ALABAMA.GOV .

INFORMATION AND ASSISTANCE TO MINORITY BUSINESSES IN THE TECHNICAL COMPLETION OF REQUIRED FORMS MAY BE OBTAINED FROM THE OFFICE OF MINORITY BUSINESS ENTERPRISE, 1-800-447-4191.

BID (ITB) RESPONSE INSTRUCTIONS

REV: 09/18/09

1. TO SUBMIT A RESPONSIVE BID, READ THESE INSTRUCTIONS, ALL TERMS, CONDITIONS AND SPECIFICATIONS.
2. BID ENVELOPES/PACKAGES/BOXES MUST BE IDENTIFIED ON FRONT, PREFERABLY LOWER LEFT CORNER AND BE VISIBLE WITH THE BID NUMBER AND OPENING DATE. EACH INDIVIDUAL BID (IDENTIFIED BY A UNIQUE BID NUMBER) MUST BE SUBMITTED IN A SEPARATE ENVELOPE. RESPONSES TO MULTIPLE BID NUMBERS SUBMITTED IN THE SAME ENVELOPE/COURIER PACKAGE, THAT ARE NOT IN SEPARATE ENVELOPES PROPERLY IDENTIFIED, WILL BE REJECTED. THE DIVISION OF PURCHASING DOES NOT ASSUME RESPONSIBILITY FOR LATE BIDS FOR ANY REASON INCLUDING THOSE DUE TO POSTAL, OR COURIER SERVICE. BID RESPONSES MUST BE IN THE DIVISION OF PURCHASING OFFICE PRIOR TO THE "RECEIVE DATE AND TIME" INDICATED ON THE BID.
3. BID RESPONSES (PAGE 1, PRICE SHEET AND ADDENDUMS (WHEN SIGNATURE IS REQUIRED)) MUST BE IN INK OR TYPED ON THIS DOCUMENT. OR EXACT FORMAT WITH SIGNATURES BEING HANDWRITTEN ORIGINALS IN INK (PERSON SIGNING BID, NOTARY, AND NOTARY EXPIRATION), OR THE BID WILL BE REJECTED. UNLESS INDICATED IN THE BID, ALL PRICE PAGES MUST BE COMPLETED AND RETURNED. IF AN ITEM IS NOT BEING BID, IDENTIFY IT AS NB (NO-BID). PAGES SHOULD BE SECURED. THE DIVISION OF PURCHASING DOES NOT ASSUME RESPONSIBILITY FOR MISSING PAGES. FAXED BID RESPONSES WILL NOT BE ACCEPTED.
4. THE UNIT PRICE ALWAYS GOVERNS REGARDLESS OF THE EXTENDED AMOUNT. A UNIT PRICE CHANGE ON A LINE MUST BE INITIALED BY THE PERSON SIGNING THE BID, OR THAT LINE WILL BE REJECTED. THIS INCLUDES A CROSS-OUT, STRIKE-OVER, INK-OVER, WHITE-OUT, ERASURE, OR ANY OTHER METHOD CHANGING THE PRICE.
5. A "NO BID" MUST BE RETURNED TO REMAIN ON A CLASS/SUBCLASS. RETURN PAGE 1 OR NOTIFICATION PAGE MARKED "NO-BID". IDENTIFY IT ON THE ENVELOPE AS A "NO-BID". FAILING TO RESPOND TO 3 ITB'S WITHIN THE SAME CLASS/SUBCLASS WILL AUTOMATICALLY PURGE THE VENDOR FROM THAT CLASS/SUBCLASS. RESPONDING WITH 6 "NO-BIDS" WITHIN THE SAME CLASS/SUBCLASS WILL AUTOMATICALLY PURGE THE VENDOR FROM THAT CLASS/SUBCLASS. A "NO-BID" RECEIVED LATE IS CONSIDERED A NO RESPONSE.
6. THE DIVISION OF PURCHASING IS NOT RESPONSIBLE FOR MISINTERPRETATION OF DATA FAXED FROM THIS OFFICE.
7. THE DIVISION OF PURCHASING REQUIRES AN ORIGINAL AND A MINIMUM OF ONE COMPLETE EXACT COPY (TO INCLUDE SIGNATURE AND NOTARY) OF THE INVITATION-TO-BID RESPONSE. THE ORIGINAL AND THE COPY SHOULD BE SUBMITTED TOGETHER AS A BID PACKAGE. FAILURE TO MARK RESPONSES AS "ORIGINAL" AND/OR "COPY" COULD RESULT IN THE ENTIRE BID RESPONSE BEING REJECTED.
8. AN IMPROPERLY SUBMITTED BID, LATE BID, OR BID THAT IS CANCELLED ON OR BEFORE THE OPENING DATE WILL BE HELD FOR 90 DAYS AND THEN DESTROYED. THE BID MUST BE RETRIEVED DURING REGULAR WORK HOURS, MONDAY - FRIDAY, EXCEPT STATE HOLIDAYS. AFTER THE BID IS DESTROYED, THE DIVISION OF PURCHASING ASSUMES NO RESPONSIBILITY FOR THE DOCUMENT.

DISQUALIFIED/CANCELLED BID

BIDS THAT ARE IMPROPERLY SUBMITTED OR RECEIVED LATE WILL BE A RESPONSE FOR RECORD, BUT WILL NOT BE RETURNED OR A NOTIFICATION MAILED.

THE FOLLOWING IS A PARTIAL LIST WHEREBY A BID RESPONSE WILL BE DISQUALIFIED:

BID NUMBER NOT ON FACE OF ENVELOPE/COURIER PACKAGE/BOX
RESPONSES TO MULTIPLE BID NUMBERS IN SAME ENVELOPE NOT PROPERLY IDENTIFIED
BID RECEIVED LATE
BID NOT SIGNED/NOT ORIGINAL SIGNATURE
BID NOT NOTARIZED/NOT ORIGINAL SIGNATURE OF NOTARY AND/OR NO NOTARY EXPIRATION
NOTARIZED OWN SIGNATURE
REQUIRED INFORMATION NOT SUBMITTED WITH BID
FAILURE TO SUBMIT THE ORIGINAL BID AND A COMPLETE EXACT COPY

CERTIFICATION PURSUANT TO ACT NO. 2006-557

ALABAMA LAW (SECTION 41-4-116, CODE OF ALABAMA 1975) PROVIDES THAT EVERY BID SUBMITTED AND CONTRACT EXECUTED SHALL CONTAIN A CERTIFICATION THAT THE VENDOR, CONTRACTOR, AND ALL OF ITS AFFILIATES THAT MAKE SALES FOR DELIVERY INTO ALABAMA OR LEASES FOR USE IN ALABAMA ARE REGISTERED, COLLECTING, AND REMITTING ALABAMA STATE AND LOCAL SALES, USE, AND/OR LEASE TAX ON ALL TAXABLE SALES AND LEASES INTO ALABAMA. BY SUBMITTING THIS BID, THE BIDDER IS HEARBY CERTIFYING THAT THEY ARE IN FULL COMPLIANCE WITH ACT NO. 2006-557, THEY ARE NOT BARRED FROM BIDDING OR ENTERING INTO A CONTRACT PURSUANT TO 41-4-116, AND ACKNOWLEDGES THAT THE AWARDING AUTHORITY MAY DECLARE THE CONTRACT VOID IF THE CERTIFICATION IS FALSE.

SPECIAL TERMS & CONDITIONS

VENDOR NAME :

VENDOR NUMBER: -

ITB NO. : 10-R-2216101

OPEN DATE : 01/28/10 TIME: 2:00 PM

RETURN DATE: 01/27/10 TIME: 5:00 PM

PAGE 3

INVITATION TO BID

INTENT TO AWARD

EFFECTIVE MAY 1, 2008, THE STATE OF ALABAMA - DIVISION OF PURCHASING WILL ISSUE AN 'INTENT TO AWARD' BEFORE A FINAL AWARD IS MADE. THE 'INTENT TO AWARD' WILL CONTINUE FOR A PERIOD OF FIVE (5) CALENDAR DAYS, AFTER WHICH A PURCHASE ORDER WILL BE PRODUCED. UPON FINAL AWARD, ALL RIGHTS TO PROTEST ARE FORFEITED. A DETAILED EXPLANATION OF THIS PROCESS MAY BE REVIEWED IN THE ALABAMA ADMINISTRATIVE CODE - CHAPTER 355-4-1(14).

ALTERNATE BID RESPONSE

UNLESS STATED ELSEWHERE IN THIS INVITATION-TO-BID (ITB) THE STATE OF ALABAMA WILL ACCEPT AND EVALUATE ALTERNATE BID SUBMITTALS ON ANY ITB'S. ALTERNATE BID RESPONSES WILL BE EVALUATED ACCORDING TO THE REQUIREMENTS AS ALL OTHER RESPONSES TO THIS ITB.

INTERNET WEBSITE LINK'S

INTERNET AND/OR WEBSITE LINKS WILL NOT BE ACCEPTED IN BID RESPONSES AS A MEANS TO SUPPLY ANY REQUIREMENTS STATED IN THIS ITB (INVITATION-TO-BID).

PRODUCT DELIVERY, RECEIVING AND ACCEPTANCE

IN ACCORDANCE WITH THE UNIVERSAL COMMERCE CODE (CODE OF ALABAMA, TITLE 7), AFTER DELIVERY, THE STATE OF ALABAMA HAS THE RIGHT TO INSPECT ALL PRODUCTS BEFORE ACCEPTING. THE STATE WILL INSPECT PRODUCTS IN A REASONABLE TIMEFRAME. SIGNATURE ON A DELIVERY DOCUMENT DOES NOT CONSTITUTE ACCEPTANCE BY THE STATE. THE STATE WILL ACCEPT PRODUCTS ONLY AFTER SATISFACTORY INSPECTION.

SALES TAX EXEMPTION

PURSUANT TO THE CODE OF ALABAMA, 1975, TITLE 40-23-4 (A) (11), THE STATE OF ALABAMA IS EXEMPT FROM PAYING SALES TAX. AN EXEMPTION LETTER WILL BE FURNISHED UPON REQUEST.

INVOICES

INQUIRIES CONCERNING PAYMENT AFTER INVOICES HAVE BEEN SUBMITTED ARE TO BE DIRECTED TO THE RECEIVING AGENCY, NOT THE DIVISION OF PURCHASING

BID RESPONSES AND BID RESULTS

UNEVALUATED BID RESPONSES (NOT BID RESULTS) ARE AVAILABLE ON OUR WEB SITE AT WWW.PURCHASING.ALABAMA.GOV. BID RESULTS WILL BE MADE AVAILABLE FOR REVIEW IN THE DIVISION OF PURCHASING OFFICE, BUT ONLY AFTER THE BID HAS BEEN AWARDED. WE DO NOT FAX OR MAIL COPIES OF BID RESULTS. IF A VENDOR WISHES TO REVIEW BID RESULTS IN OUR OFFICE, THEY SHOULD FAX THEIR REQUEST TO REVIEW THE BID TWO DAYS IN ADVANCE TO THE "BID REVIEW CLERK" AT (334) 242-4419. BE SURE TO REFERENCE THE BID NUMBER.

FOREIGN CORPORATION - CERTIFICATE OF AUTHORITY

ALABAMA LAW PROVIDES THAT A FOREIGN CORPORATION (AN OUT-OF-STATE COMPANY/FIRM) MAY NOT TRANSACT BUSINESS IN THE STATE OF ALABAMA UNTIL IT OBTAINS A CERTIFICATE OF AUTHORITY FROM THE SECRETARY OF STATE. SECTION 10-2B-15.01, CODE OF ALABAMA 1975. TO OBTAIN FORMS FOR A CERTIFICATE OF AUTHORITY, CONTACT THE SECRETARY OF STATE, CORPORATIONS DIVISION, (334) 242-5324. THE CERTIFICATE OF AUTHORITY DOES NOT KEEP THE VENDOR FROM SUBMITTING A BID.

BID IDENTIFICATION

REFERENCE PAGE 2, ITEM 2. DUE TO THE POSTAL SERVICE PUTTING BAR CODE LABELS ON ENVELOPES, IT CONCEALS THE BID NUMBER AND DATE IF THE VENDOR HAS WRITTEN THEM OTHER THAN THE LOWER LEFT CORNER, THEREFORE THE BID WOULD BE REJECTED FOR NOT BEING PROPERLY IDENTIFIED.

SPECIAL TERMS & CONDITIONS

VENDOR NAME :

VENDOR NUMBER:

ITB NO. : 10-R-2216101

OPEN DATE : 01/28/10 TIME: 2:00 PM

RETURN DATE: 01/27/10 TIME: 5:00 PM

PAGE 4

INVITATION TO BID

AWARD:

THE AWARD SHALL BE MADE TO THE LOWEST RESPONSIBLE BIDDER MEETING ALL SPECIFICATIONS.

FREIGHT:

BID IS F.O.B. DESTINATION. ANY FREIGHT CHARGES MUST BE INCLUDED IN THE BID PRICES.

DESCRIPTIVE LITERATURE:

THE BRANDS AND MODEL NUMBERS REFERENCED PROVIDE A LEVEL OF QUALITY, AND UNLESS OTHERWISE SPECIFIED, ARE NOT RESTRICTIVE. VENDORS BIDDING ALTERNATE ITEMS MUST PROVIDE COMPLETE DESCRIPTIVE/TECHNICAL LITERATURE FOR CONSIDERATION AND EVALUATION WITH THEIR BID, AND WITH THE BID COPY PER ITEM NUMBER 7 ON PAGE 2. REFERENCE TO LITERATURE WITH A PREVIOUS BID WILL NOT SATISFY THIS REQUIREMENT. FAILURE TO PROVIDE THE REQUIRED LITERATURE WITH YOUR BID AND YOUR BID COPY WILL RESULT IN THE REJECTION OF YOUR BID.

BLANK LINES:

TO EVALUATE THE BID IN AN EFFICIENT MANNER, THE VENDOR SHOULD FILL-IN ALL BLANK LINES APPLICABLE TO A SPECIFIC COMMODITY DESCRIPTION.

PRICE SHEET

VENDOR NAME :

VENDOR NUMBER: -

ITB NO. : 10-R-2216101

PAGE 5

OPEN DATE : 01/28/10 TIME: 2:00 PM

RETURN DATE: 01/27/10 TIME: 5:00 PM

INVITATION TO BID

LINE NO.	COMMODITY/SERVICE DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	EXTENDED AMOUNT
<p>UNLESS SPECIFIED OTHERWISE BELOW:</p> <p>SHIP TO: 004007 / 004M35</p> <p>DEPT OF CONSERVATION/FISHERIES</p> <p>WILDLIFE & FRESHWATER FISHERIES</p> <p>RT 3 BOX 85</p> <p>HIGHWAY 175</p> <p>MARION AL 36756</p>					
00001	COMMODITY CODE: 760-03-055176 4X4 BACKHOE LOADER, NEW LATEST YEAR'S MODEL, PER PROVIDED SPECIFICATIONS.	1	EA		
<p>NOTE TO VENDOR: PRIOR TO DELIVERY NOTICE MUST BE GIVEN TO THE MAINTENANCE CREW AT 334-683-6458</p> <p>MFR _____ MODEL _____ JOHN DEERE, MODEL 710J OR EQUAL</p>					

PAGE TOTAL

BID TOTAL

SPECIFICATIONS:

ENGINE:

1. SIX CYLINDER, TURBOCHARGED, ISOLATION MOUNTED DIESEL ENGINE AND SHALL BE DESIGNED AND BUILT BY THE MANUFACTURER
2. ENGINE DISPLACEMENT SHALL BE NO LESS THAN 6.8 LITERS (414 CUBIC INCHES)
3. ENGINE RATED NET PEAK POWER SHALL BE NO LESS THAN 126 HP @2000 RPM AND SHALL DEVELOP AT LEAST A 38% TORQUE RISE WITH AT LEAST 404 LB FT NET TORQUE AT 1300 RPM.
4. ENGINE SHALL HAVE A INDIVIDUALLY REPLACEABLE, WET-SLEEVE CYLINDER LINER DESIGN
5. THE BACKHOE SHALL HAVE A TILT HOOD FOR EASY ENGINE ACCESS AND DAILY CHECK POINTS SHALL BE ACCESSIBLE FROM THE RIGHT SIDE OF ENGINE AND SHALL BE DONE FROM GROUND LEVEL.
6. ENGINE SHALL HAVE A SERPENTINE BELT WITH AUTOMATIC BELT TENSIONER
7. ENGINE SHALL HAVE UNDER-HOOD ENGINE AIR CLEANER DRY TYPE, DUAL ELEMENT WITH EVACUATOR VALVE, RESTRICTION SENSOR, AND IN-CAB RESTRICTION WARNING LIGHT.
8. THE BACKHOE SHALL HAVE AN UNDER HOOD MUFFLER WITH CURVED-END CHROME EXHAUST STACK
9. ENGINE SHALL HAVE NO MORE THAN 3-MICRON RATED PRIMARY FUEL FILTER WITH WATER SEPARATOR
10. ENGINE SHALL BE CERTIFIED TO EPA TIER 3 EMISSIONS
11. ENGINE COOLANT SHALL BE RATED TO -34 DEGREES AND SHALL HAVE A COOLANT RECOVERY TANK
12. ENGINE SHALL HAVE A SUCTION-TYPE FAN WITH FAN-GUARD
13. THE BACKHOE SHALL BE EQUIPPED WITH AN OIL-TO-WATER ENGINE OIL COOLER, HYDRAULIC AND TRANSMISSION CIRCUITS WILL BE WATER COOLED FOR FAST WINTER WARM-UP

Specifications

14. The AC CONDENSER WILL BE SWING-OUT FOR FAST RADIATOR CLEAN-OUT WITH REMOTE MOUNTED TRANSMISSION AND HYDRAULIC COOLERS FOR BETTER AIR EXCHANGE AND FEWER STACKED CORES

POWER TRAIN

1. THE TRANSMISSION SHALL BE POWER SHIFT WITH TORQUE CONVERTER, CLUTCH-FREE, FULLY SYNCHRONIZED FOUR FORWARD, THREE REVERSE SPEEDS AND TRANSMISSION OIL COOLER.
2. THE TRANSMISSION SHALL BE ISOLATION MOUNTED TO THE MAINFRAME
3. THE SINGLE ELECTRIC F-N-R LEVER WILL HAVE GEAR SELECTION FULLY INTEGRATED IN THE LEVER
4. THE AXLE WILL BE MECHANICAL FRONT-WHEEL-DRIVE WITH TRACTION CONTROL LIMITED-SLIP DIFFERENTIAL WITH ELECTRIC ON/OFF CONTROL. MFWD CAN BE ENGAGED ON THE FLY DURING OPERATION
5. THE FRONT AXLE WILL BE SEALED TO PROTECT AGAINST CONTAMINATION, DRIVESHAFT WILL BE PAINTED AND WILL HAVE A FACTORY INSTALLED FULL GUARD
6. THE FRONT AXLE PIVOT PIN SHALL HAVE REMOTE GREASE BANK FOR FRONT AXLE EASY ACCESS
7. THE REAR AXLE SHALL BE 100% HYDRAULICALLY LOCKING, DIFFERENTIAL LOCK, ELECTRIC FOOT-ACTUATED, PLANETARY FINAL DRIVES
8. THE REAR AXLE BEARINGS SHALL BE SELF-LUBRICATING AND SHALL NOT NEED TO BE GREASED
9. THE BACKHOE SHALL HAVE HYDROSTATIC POWER STEERING WITH EMERGENCY MANUAL MODE
10. THE SERVICE BRAKES SHALL IN INBOARD WET-MULTIPLE DISK, SELF-ADJUSTING AND SELF EQUALIZING AND HYDRAULICALLY ACTUATED, SEALED FROM WATER, MUD AND DUST CONTAMINATION PARKING/EMERGENCY BRAKE WITH ELECTRIC SWITCH CONTROL, SPRING APPLIED, HYDRAULICALLY RELEASE WET MULTI-DISC, INDEPENDENT OF SERVICE BRAKES
11. THE MACHINE WILL HAVE A DIAL THROTTLE THAT WILL ALLOW THE OPERATOR TO ROAD THE MACHINE ON CRUISE CONTROL, WITH A TAP ON THE BRAKE PEDAL, THE ENGINE RPM'S RETURN TO IDLE.

HYDRAULIC SYSTEM

1. HYDRAULIC PUMP SHALL BE 52 GPM AT 2,200 RPM AT 3,625 PSI AXIAL PISTON PUMP, PRESSURE COMPENSATING, LOAD SENSING
2. HYDRAULIC COOLER WILL HAVE AN INDEPENDENT RESERVOIR FOR CONTINUOUS RUNNING OF ATTACHMENTS
3. THE HYDRAULIC FITTINGS SHALL HAVE "O-RING" FACE SEAL CONNECTORS
4. THE HYDRAULIC FILTER SHALL BE NO MORE THAN 6 MICRON AND WILL BE VERTICALLY MOUNTED, SPIN ON DESIGN

ELECTRICAL

1. THE BACKHOE SHALL HAVE A 12 VOLT SYSTEM WITH 90 AMP ALTERNATOR, TWO BATTERIES INCLUDED WITH 1900 CCA AND 380 MIN. RATED RESERVE
2. THE MACHINE SHALL HAVE BLADE TYPE, MULTI-FUSED CIRCUITS WITH ELECTRICAL MASTER DISCONNECT SWITCH
3. THE BACKHOE SHALL BE EQUIPPED WITH 10 HALOGEN DRIVING/WORKING LIGHTS 4 FRONT, 4 REAR, 2 SIDE DOCKING LIGHTS; LIGHTS SHALL BE ADJUSTABLE AND THE BULBS SHALL BE NO LESS THAN 32, 500 CANDLEPOWER. EACH UNIT SHALL BE EQUIPPED WITH TWO FRONT AND TWO REAR TURN SIGNAL/FLASHING AND TWO REAR STOP AND TAILLIGHTS AND TWO REFLECTORS.

OPERATOR STATION

1. ACCESS TO THE CAB SHALL BE FROM THE RIGHT AND LEFT SIDE WITH PROTECTED, WIDE, RIGID, SELF-CLEANING STEPS AND HAND-HOLDS
2. THE KEY START SWITCH WILL HAVE AN ELECTRIC FUEL SHUT-OFF
3. THE MONITOR SYSTEM SHALL HAVE AUDIBLE AND VISUAL WARNINGS: ENGINE AIR RESTRICTION LOW ALTERNATOR VOLTAGE, ENGINE OIL TEMPERATURE AND PRESSURE, HYDRAULIC FILTER RESTRICTION, PARKING BRAKE ON/OFF, SEAT BELT, AND LOW BRAKE PRESSURE
4. UNIT SHALL BE EQUIPPED WITH ILLUMINATED ELECTRONIC GAUGES WITH AUDIBLE WARNING FOR ENGINE COOLANT TEMPERATURE, OIL TEMPERATURE AND FUEL LEVEL
5. UNIT SHALL HAVE DIGITAL DISPLAY FOR ENGINE RPM, ENGINE HOURS, AND SYSTEM VOLTAGE
6. AN ANTI-THEFT ELECTRONIC PROTECTION SYSTEM PROVIDED THROUGH THE MONITOR SHALL BE A FACTORY OPTION
7. THE FOOT THROTTLE SHALL BE SUSPENDED
8. A MINIMUM 3" RETRACTABLE SEAT BELT SHALL BE PROVIDED
9. COAT HOOK, BUILT, IN BEVERAGE HOLDER, OPERATOR MANUAL STORAGE COMPARTMENT, INTERIOR REARVIEW MIRROR, TWO 12 VOLT OUTLETS, HEADLINER, MOLDED FLOOR MATS, TILT STEERING, HORN SHALL BE PROVIDED

Specifications

10. SEAT SHALL BE MECHANICAL SUSPENSION DELUXE FABRIC SWIVEL SEAT WITH LUMBAR ADJUSTMENT AND ARMREST; FULLY ADJUSTABLE
11. THE MACHINE WILL HAVE AN OPTIONAL CAB AND AIR CONDITIONER 26,000 BTU CFC-FREE R134A REFRIGERANT WITH HEATER; 40,000 BTU, DOME LIGHT, TINTED SAFETY GLASS, WINDSHIELD WIPER FRONT AND REAR, FRONT WINDSHIELD WASHER AND AM/FM/WB/CD RADIO AND CLOCK, SUN VISOR, ALL TO BE INCLUDED FROM THE FACTORY

TIRES

1. THE BACKHOE SHALL COME EQUIPPED WITH 21L-28 R4 14 PLY TUBELESS REAR TIRES AND 15-19.5 NHS-SS - 18 PLY TRACTION FRONT SURE GRIP LUG TIRES

GENERAL SPECIFICATIONS

1. WHEELBASE SHOULD BE NO LESS THAN 9'8"
2. VANDAL PROTECTION SHALL BE PROVIDED. ENGINE HOOD, TOOLBOX, HYDRAULIC RESERVOIR, FUEL FILLER SHALL BE LOCKABLE
3. FUEL TANK CAPACITY SHALL BE NO LESS THAN 69 GALLONS
4. THE MAINFRAME SHALL BE A ONE-PIECE UNITIZED CONSTRUCTION
5. UNIT SHALL HAVE FOUR BUILT-IN VEHICLE TIE-DOWNS, TWO IN FRONT AND TWO IN REAR
6. THE SIDE PLATE THICKNESS ON THE LOADER BOOM, BACKHOE BOOM AND MAINFRAME SHALL BE 4.5 MIL OR GREATER
7. MACHINE SHALL BE EQUIPPED WITH AN EXTERIOR MOUNTED, GROUND LEVEL ACCESSED AND LOCKABLE STORAGE COMPARTMENT, SLOW MOTION VEHICLE EMBLEM TO BE MOUNTED ON REAR, 5 LB. FIRE EXTINGUISHER TO BE MOUNTED IN OPERATORS STATION

LOADER

1. THE LOADER SHALL HAVE HYDRAULIC SELF-LEVELING AND BUCKET-LEVEL INDICATOR AND RETURN-TO-DIG
2. THE LOADER SHALL HAVE DIVERGENT LOADER ARMS; THE LOADER ARMS WILL HAVE A HIGH-KNEE DESIGN AND MINIMIZE HINGE PIN HEIGHT OF 12'5"
3. THE LOADER CONTROL WILL BE SINGLE-LEVER WITH ELECTRIC CLUTCH CUT-OFF SWITCH
4. THE LOADER SHALL HAVE A NON-REMOVABLE, HINGED LOADER BOOM SERVICE LOCK
5. BUCKET 1.375 CU. YD. MULTI-PURPOSE, LIFT CAPACITY AT FULL HEIGHT SHALL BE AT LEAST 8732 LBS
6. DUMP CLEARANCE WITH BUCKET AT 45 DEGREES; SHALL BE NO LESS THAN 9' 8"
7. BUCKET BREAKOUT FORCE SHALL BE NO LESS THAN 15,690 LBS
8. LOADER TO BE EQUIPPED WITH RIDE CONTROL OPTION
9. 1.375 CU. YD. MULTI-PURPOSE BUCKET TO HAVE BOLT-ON REVERSIBLE CUTTING EDGE

BACKHOE

1. THE BACKHOE WITH EXTENDABLE DIPPERSTICK DIGGING DEPTH SHALL BE AT LEAST 17' 10" RETRACTED AND 22' 4" EXTENDED
2. THE BACKHOE BOOM DESIGN SHALL BE A POWER CURVE
3. THE LIFT CAPACITY WITH EXTENDABLE DIPPERSTICK AT GROUND LEVEL SHALL BE NO LESS THAN 3,037 LBS AT FULL HEIGHT, NO LESS THAN 3,814 LBS RETRACTED
4. DIGGING FORCE WITH STANDARD BACKHOE BUCKET CYLINDER SHALL BE AT LEAST 17,000 LBS
5. THE SWING CASTING SHALL HAVE DUAL YOKES ON TOP AND ON THE BOTTOM
6. THE BACKHOE SHALL BE EQUIPPED WITH A RUBBER BUMPER-LINKAGE STYLE BOOM LOCKS AND SWING LOCK PIN SHALL BE STORED IN THE OPERATOR'S STATION
7. BACKHOE TO BE EQUIPPED WITH TWO LEVER PILOT CONTROLS WITH PATTERN-SELECTION FEATURE
8. THE STABILIZER VALVE WILL BE TWO DIRECTIONAL, ANTI-DRIFT AND SHALL HAVE REVERSIBLE PADS ON STABILIZER
9. BACKHOE SHALL HAVE 1,630 LBS COUNTERWEIGHT OPTION FOR EXTENDABLE DIPPERSTICK
10. MACHINE WILL HAVE 36" HEAVY DUTY BACKHOE BUCKET 18.8 CU. FT. CAPACITY WITH TEETH AND LIFT LOOPS

MANUALS AND KEYS

1. MACHINE TO INCLUDE ONE SET OF OPERATOR, PARTS AND SERVICE MANUALS
2. TO INCLUDE THREE SETS OF KEYS

WARRANTY-EXTENDED WARRANTY

1. STANDARD MANUFACTURERS COVERAGE AND 5 YEAR/3,000 HOUR FULL MACHINE COVERAGE